

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	69	(classify\$4 organiz\$5 separat\$5) with (image data file) with (public private) with (type scheme) and @ay<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 10:03
L2	2	713/176.ccls. and (classify\$4 organiz\$5 separat\$5) with (image data file) with (public private) with (type scheme) and @ay<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 09:26
L5	0	726/2,4,17,27.ccls. and (classify\$4 organiz\$5 separat\$5) with (image data file) with (public private) with (type scheme) and @ay<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 09:31
L6	0	380/229,232,247.ccls. and (classify\$4 organiz\$5 separat\$5) with (image data file) with (public private) with (type scheme) and @ay<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 09:42
L7	2	382/100,276-308.ccls. and (classify\$4 organiz\$5 separat\$5) with (image data file) with (public private) with (type scheme) and @ay<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 09:42
L8	0	713/151,161,168-170.ccls. and (classify\$4 organiz\$5 separat\$5) with (image data file) with (public private) with (type scheme) and @ay<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 10:05
L9	1	713/155.ccls. and (classify\$4 organiz\$5 separat\$5) with (image data file) with (public private) with (type scheme) and @ay<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 10:05

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S1	50	((("5646997") or ("5848426") or ("5912972") or ("6002605") or ("6021196") or ("6047374") or ("6101604") or ("6115818") or ("6137710") or ("6163842") or ("4516845") or ("4540259") or ("5579393") or ("5648648") or ("5649185") or ("5778102") or ("5841978") or ("5850346") or ("5894519") or ("5898779") or ("6005936") or ("6018724") or ("6035398") or ("6094722") or ("6151675") or ("6195447") or ("6253324") or ("6282304") or ("6282362") or ("6286036") or ("6324573") or ("6332193") or ("6408331") or ("6425081") or ("6470086") or ("6477143") or ("6487662") or ("6523114") or ("6587949") or ("6590998") or ("6678389") or ("6721802") or ("6757827") or ("6785814") or ("6873435") or ("6873966") or ("6889324") or ("6907527") or ("7043496") or ("7114074")).PN.	USPAT	OR	OFF	2007/03/16 12:35
S2	558	726/2.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/13 13:09
S3	1343	726/4.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/13 13:10
S4	17	classif\$4 near3 (file data image) with group same authentication	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 11:15
S6	6	("20020060736" "20030118211" "54 99294").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 06:16
S7	1	("6880018").PN.	USPAT	OR	OFF	2007/03/14 06:17
S8	1	("5499294").PN.	USPAT	OR	OFF	2007/03/14 11:02

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S9	2163	controll\$3 with classif\$4 with (image data file)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 11:05
S10	111	controll\$3 with classif\$4 with (image data file) and authentication	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 11:03
S11	78	controll\$3 with classif\$4 with (image data file) and authentication and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 06:34
S12	23	controll\$3 with classif\$4 with (image data file) and authentication and display\$3 and @ay< "2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 16:51
S15	4	(control\$4) with (image file data) and "message access code" and "digital signature"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 07:33
S16	54	("20010021251" "20030011684" "20030097568" "20030123699" "20030123701" "20030126443" "20030126444" "20040071311" "5499294" "5666720" "5875249" "5898779" "5937395" "6064764" "6088454" "6269446" "6332193" "6513118" "6587949" "6642956" "6769061" "6826315" "6829367" "6889324" "6968058" "7000112" "7139407").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 10:31
S17	2283	713/176.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 10:20
S18	514	705/75.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 11:03
S19	10091	382/276-308.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 11:04

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S21	2	controll\$3 with classif\$4 with (image data file) and S17	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 11:05
S22	77	classif\$4 with (image data file) and S17	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 11:09
S23	2	classif\$4 with (image data file) with ("digital signature" mac) and S17	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 11:48
S24	33	classif\$4 with (image data file) and S17 and @ay<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 11:10
S25	2	(classif\$6 near3 (image adj file) with authentication)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 11:23
S26	3	(arrang\$5 near3 (image adj file) with authentication)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 11:56
S28	1	classif\$4 with (image data file) with group and S17	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 14:55
S29	15	arrang\$5 near3 (image adj file) with group	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 11:56
S30	1647	classif\$4 with (image) with group	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 12:05
S31	4	classif\$4 with (image) with group same (mac "digital signature")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 12:07

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S35	88	382/276-308.ccls. and classif\$4 with (image) with group	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 12:09
S36	66	382/276-308.ccls. and classif\$4 with (image) with group and @ay< "2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 12:09
S37	50	382/276-308.ccls. and classif\$4 with (image) with group and display\$3 and @ay< "2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/14 12:09
S38	964467	(classif\$4, arrang\$4) near3 (image adj file) with group (password, key, mac)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 06:19
S39	5	(classif\$4, arrang\$4) near3 (image adj file) with group same (password, key, mac)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 06:20
S40	41	(classif\$4, arrang\$4) near3 (file) with group same (password, key, mac)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 12:02
S41	432	(classif\$4, arrang\$4) near3 (file) with group	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 06:26
S42	7	(classif\$4, arrang\$4) near3 (file) with group same authenti\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 06:34
S43	8	(classif\$4, arrang\$4, sort\$3) near3 (file) with group same authenti\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 06:34
S44	181	(image adj file) with authentication	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 07:04

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S45	10	(image adj file) with authentication and mac and "digital signature"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 07:04
S46	4	(classif\$4 with file with group with authenti\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 09:16
S47	608	(classif\$4 with file with group)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 09:17
S48	160	(classif\$4 with file with group) and authentication	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 09:22
S49	135	(classif\$4 with file with group) and authentication and mac	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 09:18
S50	134	(classif\$4 with file with group) and authentication and mac and image	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 09:18
S51	38	(classif\$4 with file with group) and authentication and mac and image and @ay<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 09:18
S52	40	(classif\$4 with file with group) and authentication and @ay<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 09:23
S53	39	(classif\$4 with file with group) and (mac "digitial signature") and @ay<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 09:25
S54	91	(classify\$4 with file with group) and @ay<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 09:44

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S55	372	(classify\$4 with image with group) and @ay<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 09:44
S56	2	(classify\$4 with (image adj file) with group) and @ay<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 09:48
S57	16	(arrang\$4 with (image adj file) with group) and @ay<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 09:48
S58	13	("5485213" "5574752" "5774592" "5819048" "5928330" "6018359" "6098082" "6334126" "6404901" "6424676" "6493763" "6510553" "6535486").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/15 10:06
S59	3	713/176.ccls. and mac and "digital signature" and "image file" and @ay< "2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 10:21
S60	29	("4054887" "4422745" "4475130" "4549175" "4849783" "4949381" "5117458" "5157725" "5185798" "5262820" "5329623" "5343527" "5452049" "5499294" "5590306" "5598526" "5706049" "5765176" "5799219" "5801856" "5862217" "5862218" "5898779" "6385407" "6456799" "6522769" "6592032" "6661710" "6859546").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/15 10:34
S61	950	(image adj authentication)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 10:34
S62	391	(image adj authentication) and @ay<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 10:34

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S63	166	(image adj authentication) and @ay<"2002" and (classif\$4, arrang\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 10:35
S64	147	(image adj authentication) and @ay<"2002" and (classif\$4, arrang\$4) and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 10:35
S65	96	(image adj authentication) and @ay<"2002" and (classif\$4, arrang\$4) and display\$3 and (image adj file)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 10:47
S66	233	(classifying near3 image with group)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 10:47
S67	6	(classifying near3 image with group) and authentication	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 10:47
S68	3	("5802361" "6564206" "6886010").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/15 10:49
S69	295	(sort\$3 or classif\$6 or arrang\$3 or group\$4) with (thumbnail\$1 or image\$1 or icon\$1) with (user near2 (id or identifier\$1 or name\$1 or password\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 09:03
S70	15	(sort\$3 or classif\$6 or arrang\$3 or group\$4) with (thumbnail\$1 or image\$1 or icon\$1) with (user near2 (id or identifier\$1 or name\$1 or password\$1)) same (display\$3 with (attribute\$1 or timestamp\$1 or (related near2 data)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 12:06
S71	12	(sort\$3 or classif\$6 or arrang\$3 or group\$4) with (thumbnail\$1 or image\$1 or icon\$1) with (user near2 (id or identifier\$1 or name\$1 or password\$1)) and ("726"/\$.ccls. "713"/\$.ccls)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 12:57

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S72	123	(sort\$3 or classif\$6 or arrang\$3 or group\$4) with (thumbnail\$1 or image\$1 or icon\$1) with (user near2 (id or identifier\$1 or name\$1 or password\$1)) and @ay<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 09:04
S73	3926	(authentication with ((user adj group) (group adj id) (user adj id)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 11:48
S74	1743	(authentication with ((user adj group) (group adj id) (user adj id))) and (image thumbnail)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 11:18
S75	528	(authentication with ((user adj group) (group adj id) (user adj id))) and (image thumbnail) and @ay<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 11:19
S76	166	(authentication with ((user adj group) (group adj id) (user adj id))) and (image thumbnail) and (mac hash\$3) and @ay<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 11:24
S77	4	("5953488") or ("6011901") or ("6501727") or ("6968058").PN.	USPAT	OR	OFF	2007/03/16 11:33
S78	5	(network adj file adj system) with ((user group) adj (id))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 11:34
S79	3625	(authentication with ((group adj id) (user adj id)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 11:54
S80	107	(authentication with ((group adj id) (user adj id))) and ((classify\$3 sort\$3) with (thumbnail image))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 11:50
S81	62	(authentication with ((group adj id) (user adj id))) and ((classify\$3 sort\$3) with (thumbnail image)) and @ay<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 12:30

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S82	101	(authentication with (group adj id))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 12:26
S84	39	(authentication with (group adj id)) and image	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 12:26
S85	3	(("5899995") or ("5905498") or ("6208995")).PN.	USPAT	OR	OFF	2007/03/16 12:37
S86	97	(group\$3 near3 (image thumbnail icon) with ((user adj id)(group adj id)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 12:39
S87	34	(group\$3 near3 (image thumbnail icon) with ((user adj id)(group adj id))) and @ay<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 13:22
S88	6	(group\$3 near3 (image thumbnail icon) with ((user adj id)(group adj id))) and authentication and @ay<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 13:22
S89	272	"5499294"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 13:33
S90	1	("5499294").PN.	USPAT	OR	OFF	2007/09/19 13:53
S91	10	("20020060736" "20030118211" "5499294" "6141111" "6968058").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 14:46
S92	5756	classif\$4 with (image data file) with group	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 14:55
S93	1	classif\$4 with (image data file) with group and crypto	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 14:56

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S94	15	classif\$4 with (image data file) with group and crypto\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 14:56
S95	745	726/2.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 16:49
S96	1496	726/4.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 16:49
S97	2593	382/100.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 16:49
S98	4	(control\$4) with (image file data) and "message access code" and "digital signature"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 16:50
S99	23	controll\$3 with classif\$4 with (image data file) and authentication and display\$3 and @ay< "2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 16:50
S100	486	(sort\$3 divid\$3 classif\$5 separat\$3) with (image adj file) same (group set)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 16:54
S101	40	(sort\$3 divid\$3 classif\$5 separat\$3) with (image adj file) same (group set) and (mac "digital signature")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 16:54
S102	0	S95 and (sort\$3 divid\$3 classif\$5 separat\$3) with (image adj file) same (group set) and (mac "digital signature")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 16:55
S103	0	S96 and (sort\$3 divid\$3 classif\$5 separat\$3) with (image adj file) same (group set) and (mac "digital signature")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 16:55

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S10 4	1	S97 and (sort\$3 divid\$3 classif\$5 separat\$3) with (image adj file) same (group set) and (mac "digital signature")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 16:55
S10 5	18	classif\$4 near3 (file data image) with group same authentication	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 16:56
S10 7	9	(classifying near3 image with group) and authentication	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 16:56
S10 8	16	(sort\$3 or classif\$6 or arrang\$3 or group\$4) with (thumbnail\$1 or image\$1 or icon\$1) with (user near2 (id or identifier\$1 or name\$1 or password\$1)) same (display\$3 with (attribute\$1 or timestamp\$1 or (related near2 data)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 16:57
S10 9	16	(arrang\$4 with (image adj file) with group) and @ay<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 16:58
S11 0	5	713/176.ccls. and mac and "digital signature" and "image file" and @ay<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 16:58
S11 1	7	(group\$3 near3 (image thumbnail icon) with ((user adj id)(group adj id))) and authentication and @ay<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 16:58
S11 2	7	(group\$3 near3 (image thumbnail icon) with ((user adj id)(group adj id))) and authentication and @ay<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 16:59
S11 3	12	(image adj file) with authentication and mac and "digital signature"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 16:59

EAST Search History

S11 4	16	(sort\$3 or classif\$6 or arrang\$3 or group\$4) with (thumbnail\$1 or image\$1 or icon\$1) with (user near2 (id or identifier\$1 or name\$1 or password\$1)) same (display\$3 with (attribute\$1 or timestamp\$1 or (related near2 data)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 16:59
S11 5	23	controll\$3 with classif\$4 with (image data file) and authentication and display\$3 and @ay< "2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 16:59
S11 6	1	("7110664").PN.	USPAT	OR	OFF	2007/09/25 10:11
S11 7	171	(classify\$4 organiz\$5 separat\$5) with (image data file) with (public private) with (type scheme)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/26 09:12
S11 8	31	(classify\$4 organiz\$5 separat\$5) with (image data file) with (public private) with (encrypt\$3 encod\$3) with (type scheme)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/25 10:23
S11 9	1	("7260555").PN.	USPAT	OR	OFF	2007/09/25 10:55
S12 0	1	("6889210").PN.	USPAT	OR	OFF	2007/09/25 10:55
S12 1	3	("5058164" "5406628" "6505300").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/25 10:55
S12 2	45	("20010021926" "20020010679" "20020016922" "20020029340" "20020078361" "20030033528" "20030182579" "20040215956" "20040243853" "4799258" "5247575" "5276735" "5369702" "5375169" "5499297" "5502766" "5600722" "5680452" "5717755" "5745573" "5787173" "5835601" "5862325" "5898781" "5933498" "5987440" "6044155" "6088717" "6088805" "6098056" "6105131" "6134327" "6158010" "6161139" "6182142" "6226745" "6249873" "6272631" "6272632" "6289450" "6314409" "6339825" "6490680" "6542608" "6549623").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/25 13:49

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S12 3	1	("6530020").PN.	USPAT	OR	OFF	2007/09/25 13:49
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Patents

Patents 1 - 10 on classified "image" group "public key". (0.14 seconds)

[Image printing apparatus including a microcontroller](#) [Sort by relevance](#) | [Sort by date \(new first\)](#) | [Sort by date \(old first\)](#)

US Pat. 6803989 - Filed Aug 6, 2001 - Silverbrook Research Pty Ltd
In addition by pointing to the company's **public key**, ... recipes, **classified ads**, medical information, programmes and software, horse racing form guides, ...

[Image encoding method, image decoding method and image signal recording medium](#)

US Pat. 6160889 - Filed Jun 23, 1997 - Sony Corporation
Here, a description will be given of a case in which the encoding standard of what is commonly called MPEG (Moving Picture Image Coding Experts Group) is ...

[Image transformation means including user interface](#)

US Pat. 6476863 - Filed Jul 10, 1998 - Silverbrook Research Pty Ltd
In addition by pointing to the company's **public key**, ... recipes, **classified ads**, medical information, programmes and software, horse racing form guides, ...

[Image sensing apparatus including a microcontroller](#)

US Pat. 6618117 - Filed Aug 6, 2001 - Silverbrook Research Pty Ltd
In addition by pointing to the company's **public key**, ... recipes, **classified ads**, medical information, programmes and software, horse racing form guides, ...

[Copy prevention method and apparatus for digital video system](#)

US Pat. 6028932 - Filed Apr 1, 1998 - LG Electronics Inc.
3 is a block diagram of a conventional **public-key** encryption system; FIG. ... units of **group** of picture (GOP), the respective gops are **classified** by their ...

[System for protecting anonymity of parties involved in a person-to-person ...](#)

US Pat. 6748366 - Filed Jan 11, 2000 - Intel Corporation
... graphical **image** format (.gif), Joint Photographic Experts Group (JPEG) ... Preferably, the machine-readable label is encrypted with the **public key** of ...

[Information search method and system for registering and searching for ...](#)

US Pat. 6611830 - Filed Feb 8, 1999 - Hitachi, Ltd.
While the users can relatively easily acquire this **public key**, the users can ... a search condition if Web pages are **classified** into those "for 20 years or ...

[Copy prevention method and apparatus for digital video system](#)

US Pat. 5761302 - Filed Nov 22, 1995 - LG Electronics Inc.
3 is a block diagram of a conventional **public-key** D.flipflop 22 and holding voltage ... the respective GOPS are **classified** by their prevention information ...

[Digital camera system containing a VLIW vector processor](#)

US Pat. 6879341 - Filed Jul 10, 1998 - Silverbrook Research Pty LTD
Z36, the front side of a artcards 80 can show an **image** that includes an artistic ... and digital signature as well as a pointer to the company's **public key**, ...

Printing cartridge with capacitive sensor identification

US Pat. 7255414 - Filed Aug 6, 2002 - Silverbrook Research Pty Ltd

Z36, the front side of a artcards 80 can show an **image** that includes 45 an ...
and digital signature as well as a pointer to the company's **public key**, ...

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Patents

Patents 1 - 1 on classified "image" group "private key". (0.27 seconds)

System for protecting anonymity of
parties involved in a person-to-person ...

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US Pat. 6748366 - Filed Jan 11, 2000 - Intel Corporation

... graphical image format (.gif), Joint Photographic Experts Group (JPEG) ...
by using the shipper's private key, and delivers the package to the buyer. ...

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Patents 1 - 9 on classified "file" group "public key" private key". (0.12 seconds)

Computer-based communication [Sort by relevance](#) | [Sort by date \(new first\)](#) | [Sort by date \(old first\)](#)system and method using metadata defining a ...

US Pat. 6088717 - Filed Aug 31, 1998 - OneName Corporation

50 A more advanced example is **classified** advertising services. ... It may also use a large **public key** or keys that are publicly verifiable via other trusted ...Computer-based communication system and method using metadata defining a ...

US Pat. 5862325 - Filed Sep 27, 1996 - Intermind Corporation

A more advanced example is **classified** advertising services. ... It may also use a large **public key** or keys that are publicly verifiable via other trusted ...Computer-based communication system and method using metadata defining a ...

US Pat. 6345288 - Filed May 15, 2000 - OneName Corporation

It may also use a large **public key** or keys that are publicly verifiable via other trusted ... A more advanced example is **classified** advertising services. ...Method and system for managing security tiers

US Pat. 6889210 - Filed May 27, 2003 - PSS Systems, Inc.

user (or group) key and permitted by the access rules in the secured **classified file**. In one embodiment, the level of security clearance of the user is ...Object-based on-line transaction infrastructure

US Pat. 6757710 - Filed Feb 5, 2002 - OneName Corporation

It may also use a large **public key** or keys that are publicly verifiable via other trusted ... A more advanced example is **classified** advertising services ...System and method for managing authentication and coherency in a storage ...

US Pat. 6792424 - Filed Apr 23, 1999 - International Business Machines Corporation

The password can be the principal's **public key** the principals 18. If desired, the service computer 28 can or **private key**. Also, during registration each ...Secure gateway having user identification and password authentication

US Pat. 6324648 - Filed Dec 23, 1999 - GTE Service Corporation

It is important to note that this data is stored on the secure, **private network** side of firewall ... user's **public key** and a variety of other information. ...Secure gateway having routing feature

US Pat. 6510464 - Filed Dec 23, 1999 - Verizon Corporate Services Group Inc.

Authorization server 46 is preferably disposed on the **private network** side of ... containing the user's **public key** and a variety of other information. ...Method and apparatus for securing digital assets

US Pat. 7178033 - Filed May 31, 2002 - PSS Systems, Inc.

The security information further includes the **file key** and/or one or more ... user key (which sometimes is a pair of a **private key** and a **public key**). ...

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Relevance scale

1 Cryptography and data security

Dorothy Elizabeth Robling Denning
January 1982 Book

Publisher: Addison-Wesley Longman Publishing Co., Inc.

Full text available: [pdf\(19.47 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

From the Preface (See Front Matter for full Preface)

Electronic computers have evolved from exiguous experimental enterprises in the 1940s to prolific practical data processing systems in the 1980s. As we have come to rely on these systems to process and store data, we have also come to wonder about their ability to protect valuable data.

Data security is the science and study of methods of protecting data in computer and communication systems from unauthorized disclosure ...

2 Intrusion detection and modeling: Augmenting storage with an intrusion response primitive to ensure the security of critical data

Ashish Gehani, Surendar Chandra, Gershon Kedem
March 2006 **Proceedings of the 2006 ACM Symposium on Information, computer and communications security ASIACCS '06**

Publisher: ACM Press

Full text available: [pdf\(326.59 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Hosts connected to the Internet continue to suffer attacks with high frequency. The use of an intrusion detector allows potential threats to be flagged. When an alarm is raised, preventive action can be taken. A primary goal of such action is to assure the security of the data stored in the system. If this operation is effected manually, the delay between the alarm and the response may be enough for an intruder to cause significant damage. The alternative proposed in this paper is to provide a re ...

3 General storage protection techniques: Securing distributed storage: challenges, techniques, and systems

Vishal Kher, Yongdae Kim
November 2005 **Proceedings of the 2005 ACM workshop on Storage security and survivability StorageSS '05**

Publisher: ACM Press

Full text available: [pdf\(294.61 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The rapid increase of sensitive data and the growing number of government regulations that require longterm data retention and protection have forced enterprises to pay serious attention to storage security. In this paper, we discuss important security issues related to storage and present a comprehensive survey of the security services provided by the existing storage systems. We cover a broad range of the storage security literature, present a critical review of the existing solutions, compare ...

Keywords: authorization, confidentiality, integrity, intrusion detection, privacy

4 Computing curricula 2001

 September 2001 **Journal on Educational Resources in Computing (JERIC)**

Publisher: ACM Press

Full text available: [pdf\(613.63 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)
[html\(2.78 KB\)](#)

5 Link and channel measurement: A simple mechanism for capturing and replaying

 **wireless channels**

Glenn Judd, Peter Steenkiste

August 2005 **Proceeding of the 2005 ACM SIGCOMM workshop on Experimental approaches to wireless network design and analysis E-WIND '05**

Publisher: ACM Press

Full text available: [pdf\(6.06 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Physical layer wireless network emulation has the potential to be a powerful experimental tool. An important challenge in physical emulation, and traditional simulation, is to accurately model the wireless channel. In this paper we examine the possibility of using on-card signal strength measurements to capture wireless channel traces. A key advantage of this approach is the simplicity and ubiquity with which these measurements can be obtained since virtually all wireless devices provide the req ...

Keywords: channel capture, emulation, wireless

6 Decentralized storage systems: Farsite: federated, available, and reliable storage for an incompletely trusted environment

 Atul Adya, William J. Bolosky, Miguel Castro, Gerald Cermak, Ronnie Chaiken, John R. Douceur, Jon Howell, Jacob R. Lorch, Marvin Theimer, Roger P. Wattenhofer
December 2002 **ACM SIGOPS Operating Systems Review**, Volume 36 Issue SI

Publisher: ACM Press

Full text available: [pdf\(1.87 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Farsite is a secure, scalable file system that logically functions as a centralized file server but is physically distributed among a set of untrusted computers. Farsite provides file availability and reliability through randomized replicated storage; it ensures the secrecy of file contents with cryptographic techniques; it maintains the integrity of file and directory data with a Byzantine-fault-tolerant protocol; it is designed to be scalable by using a distributed hint mechanism and delegatio ...

7 The Yaksha security system

Ravi Ganeshan

March 1996 **Communications of the ACM**, Volume 39 Issue 3

Publisher: ACM Press

Full text available:  pdf(3.90 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)

8 SAFKASI: a security mechanism for language-based systems

 Dan S. Wallach, Andrew W. Appel, Edward W. Felten

October 2000 **ACM Transactions on Software Engineering and Methodology (TOSEM)**,

Volume 9 Issue 4

Publisher: ACM Press

Full text available:  pdf(234.89 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In order to run untrusted code in the same process as trusted code, there must be a mechanism to allow dangerous calls to determine if their caller is authorized to exercise the privilege of using the dangerous routine. Java systems have adopted a technique called stack inspection to address this concern. But its original definition, in terms of searching stack frames, had an unclear relationship to the actual achievement of security, overconstrained the implementation of a Java system, lim ...

Keywords: Internet, Java, WWW, access control, applets, security-passing style, stack inspection

9 Data protection: Secure attribute-based systems

 Matthew Pirretti, Patrick Traynor, Patrick McDaniel, Brent Waters

October 2006 **Proceedings of the 13th ACM conference on Computer and communications security CCS '06**

Publisher: ACM Press

Full text available:  pdf(1.13 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Attributes define, classify, or annotate the datum to which they are assigned. However, traditional attribute architectures and cryptosystems are ill-equipped to provide security in the face of diverse access requirements and environments. In this paper, we introduce a novel secure information management architecture based on emerging attribute-based encryption (ABE) primitives. A policy system that meets the needs of complex policies is defined and illustrated. Based on the needs of those polic ...

Keywords: applied cryptography, attribute-based encryption, secure systems

10 Practical byzantine fault tolerance and proactive recovery

 Miguel Castro, Barbara Liskov

November 2002 **ACM Transactions on Computer Systems (TOCS)**, Volume 20 Issue 4

Publisher: ACM Press

Full text available:  pdf(1.63 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Our growing reliance on online services accessible on the Internet demands highly available systems that provide correct service without interruptions. Software bugs, operator mistakes, and malicious attacks are a major cause of service interruptions and they can cause arbitrary behavior, that is, Byzantine faults. This article describes a new replication algorithm, BFT, that can be used to build highly available systems that tolerate Byzantine faults. BFT can be used in practice to implement re ...

Keywords: Byzantine fault tolerance, asynchronous systems, proactive recovery, state machine replication, state transfer

11 Technologies for repository interoperation and access control

 Shirley Browne, Jack Dongarra, Jeff Horner, Paul McMahan, Scott Wells
May 1998 **Proceedings of the third ACM conference on Digital libraries DL '98**

Publisher: ACM Press

Full text available:  pdf(1.14 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

12 DRM experience: Digital rights management in a 3G mobile phone and beyond

 Thomas S. Messerges, Ezzat A. Dabbish
October 2003 **Proceedings of the 3rd ACM workshop on Digital rights management DRM '03**

Publisher: ACM Press

Full text available:  pdf(306.59 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper we examine how copyright protection of digital items can be securely managed in a 3G mobile phone and other devices. First, the basic concepts, strategies, and requirements for digital rights management are reviewed. Next, a framework for protecting digital content in the embedded environment of a mobile phone is proposed and the elements in this system are defined. The means to enforce security in this system are described and a novel "Family Domain" approach to content management ...

Keywords: MPEG-21, copyright protection, cryptography, digital content, digital rights management, embedded system, key management, mobile phone, open mobile alliance, security

13 A taxonomy of Data Grids for distributed data sharing, management, and processing

 Srikumar Venugopal, Rajkumar Buyya, Kotagiri Ramamohanarao
June 2006 **ACM Computing Surveys (CSUR)**, Volume 38 Issue 1

Publisher: ACM Press

Full text available:  pdf(1.70 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Data Grids have been adopted as the next generation platform by many scientific communities that need to share, access, transport, process, and manage large data collections distributed worldwide. They combine high-end computing technologies with high-performance networking and wide-area storage management techniques. In this article, we discuss the key concepts behind Data Grids and compare them with other data sharing and distribution paradigms such as content delivery networks, peer-to-peer n ...

Keywords: Grid computing, data-intensive applications, replica management, virtual organizations

14 Content-triggered trust negotiation

 Adam Hess, Jason Holt, Jared Jacobson, Kent E. Seamons
August 2004 **ACM Transactions on Information and System Security (TISSEC)**, Volume 7 Issue 3

Publisher: ACM Press

Full text available:  pdf(815.36 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The focus of access control in client/server environments is on protecting sensitive server resources by determining whether or not a client is authorized to access those resources. The set of resources is usually static, and an access control policy associated with each resource specifies who is authorized to access the resource. In this article, we turn the traditional client/server access control model on its head and address how to protect the sensitive content that clients disclose to and r ...

Keywords: Trust negotiation, access control, authentication, credentials

15 A taxonomy for key escrow encryption systems

 Dorothy E. Denning, Dennis K. Branstad

March 1996 **Communications of the ACM**, Volume 39 Issue 3

Publisher: ACM Press

Full text available:  pdf(548.67 KB) Additional Information: [full citation](#), [citations](#), [index terms](#), [review](#)

16 Track 8: pervasive computing: Communication and security extensions for a ubiquitous mobile agent system (UbiMAS)

 Faruk Bagci, Holger Schick, Jan Petzold, Wolfgang Trumler, Theo Ungerer

May 2005 **Proceedings of the 2nd conference on Computing frontiers CF '05**

Publisher: ACM Press

Full text available:  pdf(575.63 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Future computers will be integrated in objects of everyday life. The number of processors in the environment will increase and data will be distributed over different nodes. New classes of information and devices will appear, i.e. data will be caught from environmental sensors and will be used for context extraction. The amount of new devices and services makes an efficient use by centralized systems very difficult. Mobile agents provide an eminent method by virtualizing the user and performing ...

Keywords: flexible office, mobile agents, privacy, ubiquitous system

17 Consistency enforcement and secure grids: Mesh: secure, lightweight grid

 middleware using existing SSH infrastructure

Paul Z. Kolano

June 2007 **Proceedings of the 12th ACM symposium on Access control models and technologies SACMAT '07**

Publisher: ACM Press

Full text available:  pdf(178.90 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Grid computing promises gains in effective computational power, resource utilization, and resource accessibility, but in order to achieve these gains, organizations must deploy grid middleware that, in most cases, does not adhere to fundamental security principles. This paper introduces a new lightweight grid middleware called Mesh, which is based on the addition of a single sign-on capability to the built-in public key authentication mechanism of SSH using system call interposition. The init ...

Keywords: SSH, access control, authentication, authorization, delegation, distributed systems, grids, middleware, security, single sign-on

18 COCA: A secure distributed online certification authority

Lidong Zhou, Fred B. Schneider, Robbert Van Renesse

 November 2002 **ACM Transactions on Computer Systems (TOCS)**, Volume 20 Issue 4

Publisher: ACM Press

Full text available:  pdf(448.28 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

COCA is a fault-tolerant and secure online certification authority that has been built and deployed both in a local area network and in the Internet. Extremely weak assumptions characterize environments in which COCA's protocols execute correctly: no assumption is made about execution speed and message delivery delays; channels are expected to exhibit only intermittent reliability; and with $3t + 1$ COCA servers up to t may be faulty or compromised. COCA is the first system to integr ...

Keywords: Byzantine quorum systems, Certification authority, denial of service, proactive secret-sharing, public key infrastructure, threshold cryptography

19 Integrating security in a large distributed system 

 M. Satyanarayanan

August 1989 **ACM Transactions on Computer Systems (TOCS)**, Volume 7 Issue 3

Publisher: ACM Press

Full text available:  pdf(2.90 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Andrew is a distributed computing environment that is a synthesis of the personal computing and timesharing paradigms. When mature, it is expected to encompass over 5,000 workstations spanning the Carnegie Mellon University campus. This paper examines the security issues that arise in such an environment and describes the mechanisms that have been developed to address them. These mechanisms include the logical and physical separation of servers and clients, support for secure communication ...

20 ISOC symposium on network and distributed systems security 

 Dan Nessett

April 1994 **ACM SIGCOMM Computer Communication Review**, Volume 24 Issue 2

Publisher: ACM Press

Full text available:  pdf(821.23 KB) Additional Information: [full citation](#), [index terms](#)

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